

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104796.D
 Acq On : 25 Apr 2018 18:33
 Operator : JU/SJ
 Sample : J2512-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 08:15:32 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

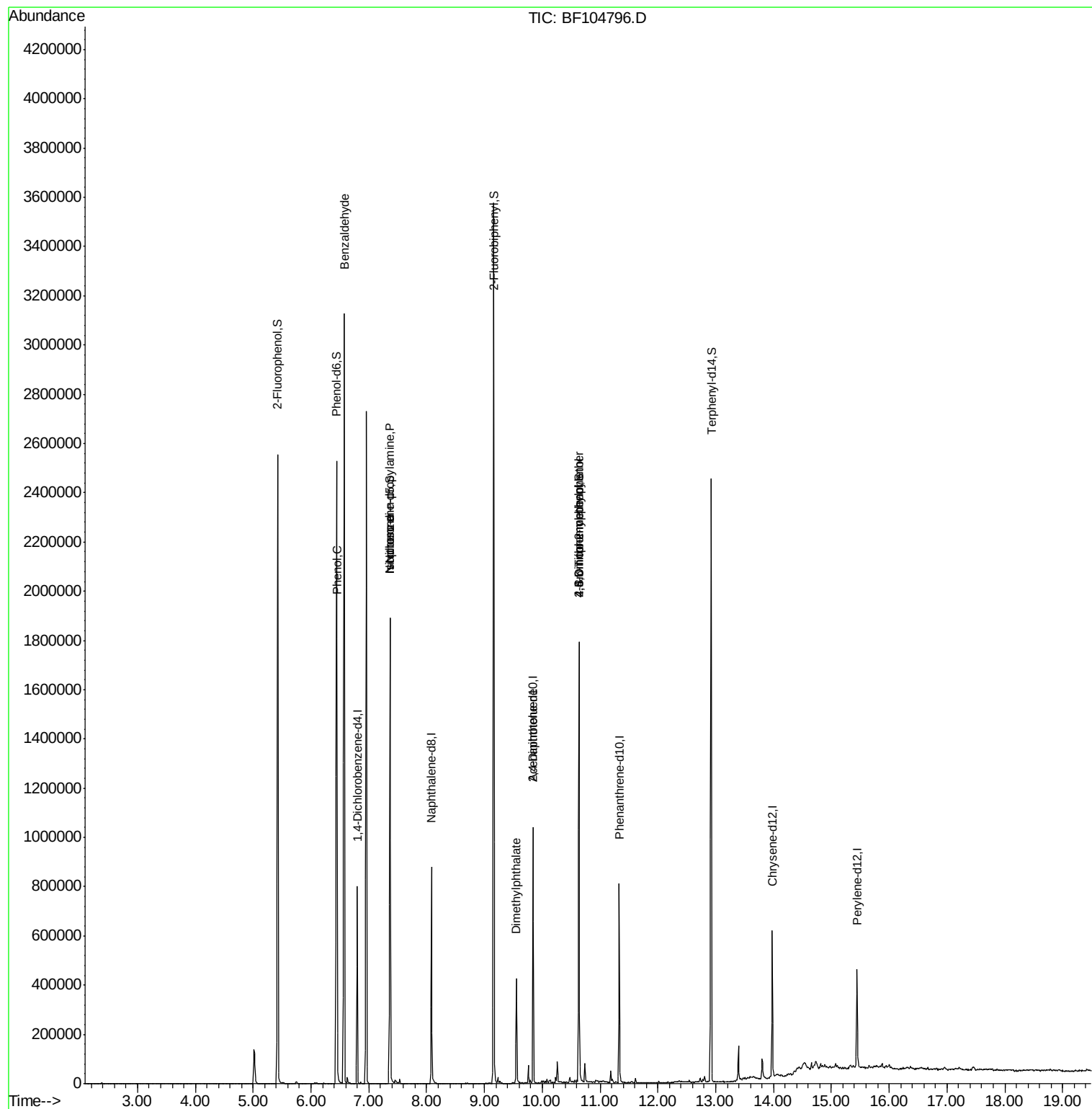
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	108121	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	442475	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	192421	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	306452	20.00	ng	0.00
75) Chrysene-d12	13.98	240	208580	20.00	ng	0.00
86) Perylene-d12	15.44	264	171714	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	894287	126.47	ng	0.01
7) Phenol-d6	6.45	99	1104882	127.17	ng	0.00
23) Nitrobenzene-d5	7.37	82	686004	101.24	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	245110	122.80	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1123619	92.25	ng	0.00
78) Terphenyl-d14	12.92	244	824416	90.11	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	19899	2.219	ng	84
10) Phenol	6.46	94	25202	2.734	ng	97
19) n-Nitroso-di-n-propylamine	7.37	70	91289	16.080	ng	# 71
25) Isophorone	7.37	82	685995	47.874	ng	# 64
49) Dimethylphthalate	9.55	163	174468	11.498	ng	99
56) 2,4-Dinitrotoluene	9.84	165	23711	6.438	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	443	7.598	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	14984	4.597	ng	# 1
76) Benzidine	12.92	184	10752	Below Cal		98

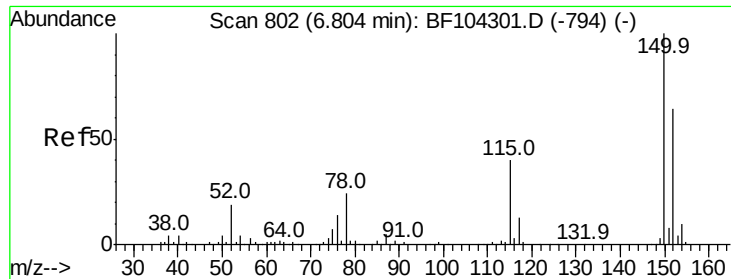
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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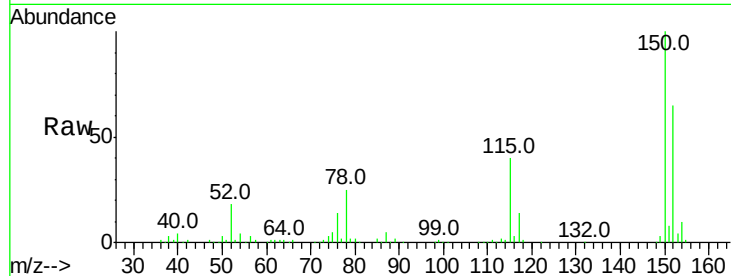


#1

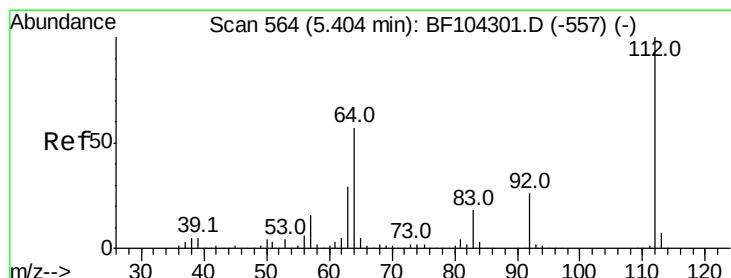
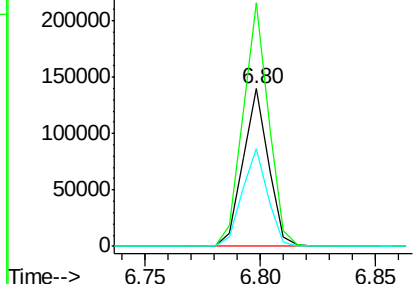
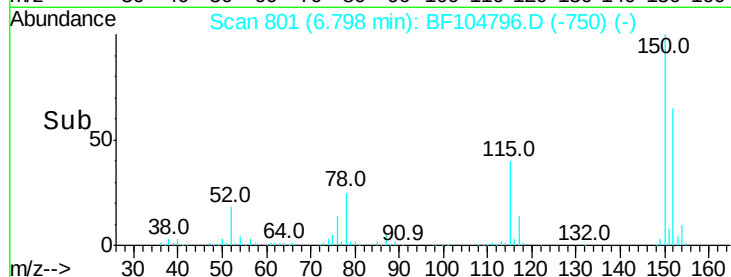
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104796.D
Acq: 25 Apr 2018 18:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 108121
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 62.4 50.1 75.1



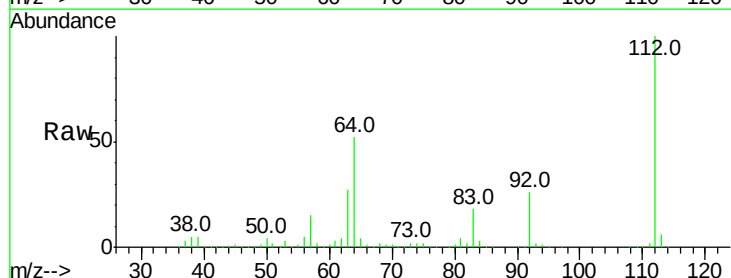
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



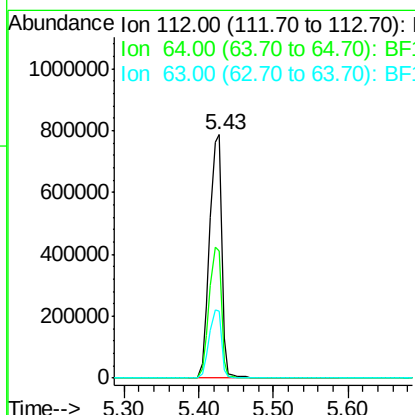
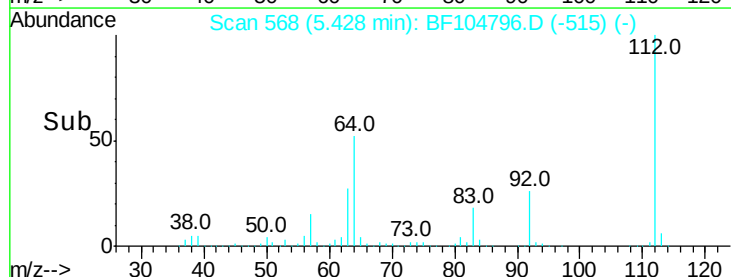
#5

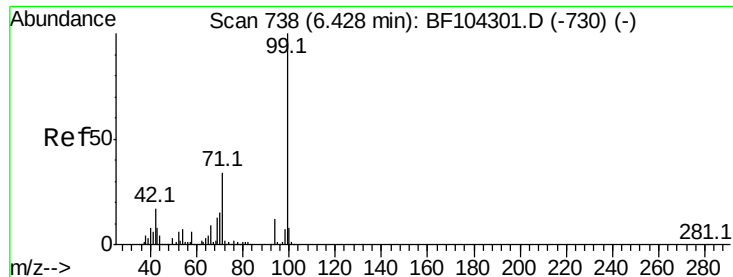
2-Fluorophenol
Concen: 126.471 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104796.D
Acq: 25 Apr 2018 18:33

Tgt Ion:112 Resp: 894287
Ion Ratio Lower Upper
112 100
64 52.2 47.9 71.9
63 27.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 127.172 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104796.D

Acq: 25 Apr 2018 18:33

Instrument :

BNA_F

ClientSampleId :

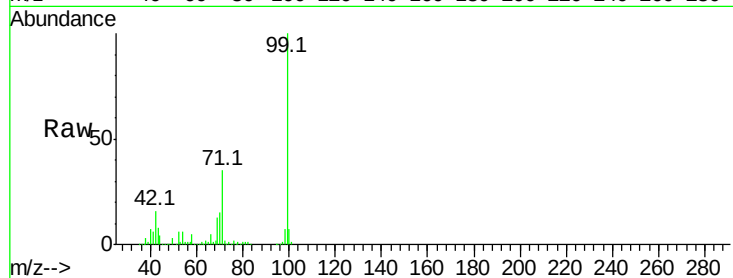
Tot Ion: 99 Resp: 1104882

Ion Ratio Lower Upper

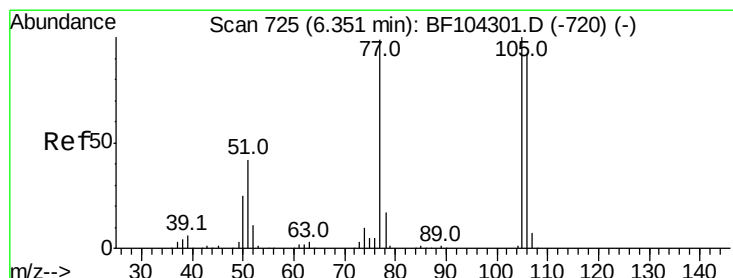
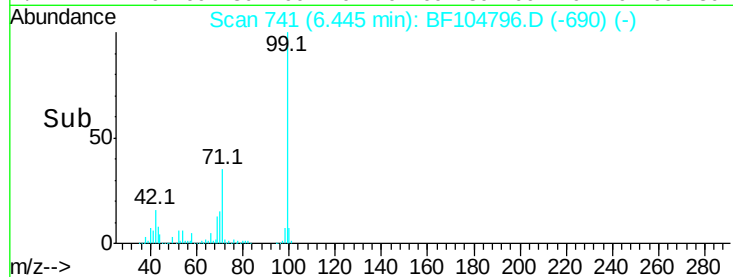
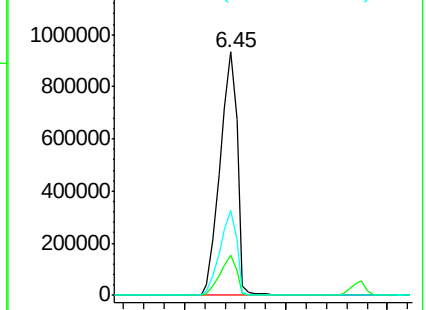
99 100

42 16.4 14.5 21.7

71 34.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.219 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.22 min

Lab File: BF104796.D

Acq: 25 Apr 2018 18:33

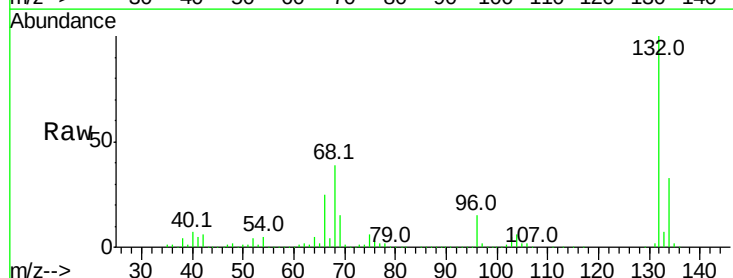
Tgt Ion: 77 Resp: 19899

Ion Ratio Lower Upper

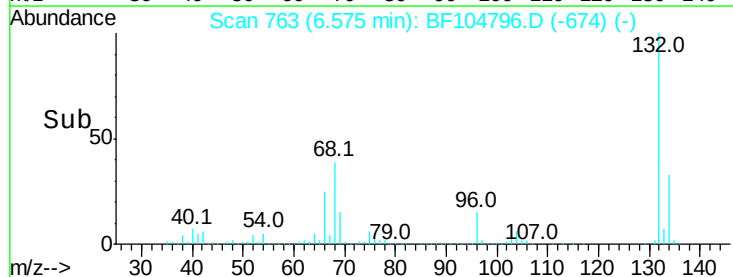
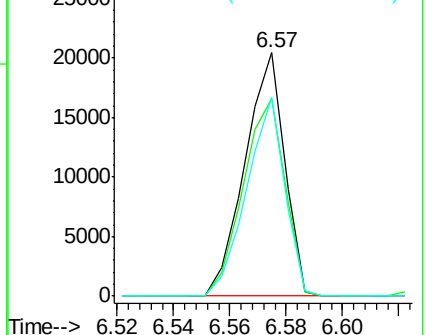
77 100

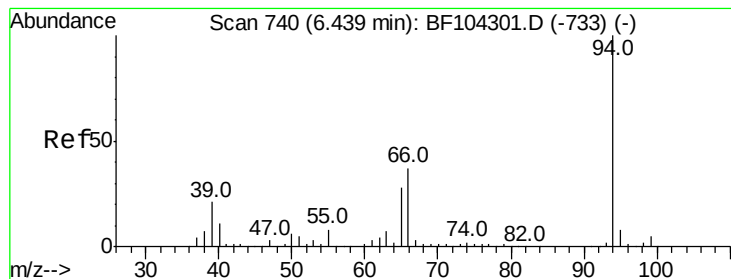
105 81.3 81.1 121.1

106 81.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.734 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF104796.D

Acq: 25 Apr 2018 18:33

Instrument :

BNA_F

ClientSampled :

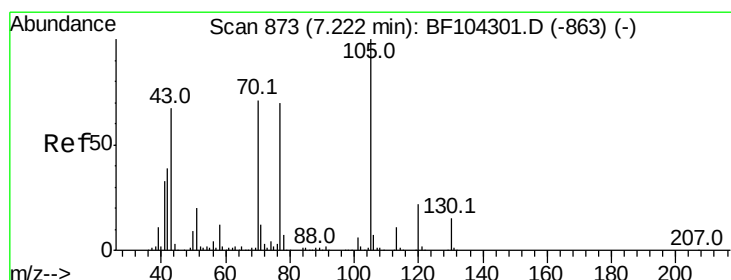
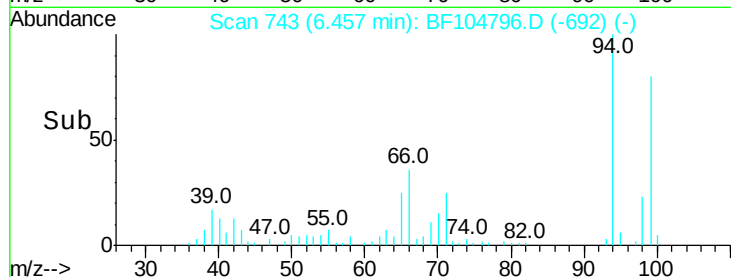
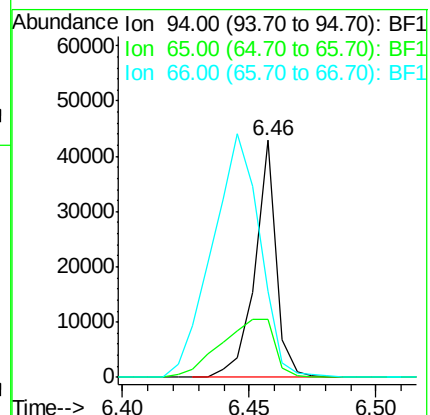
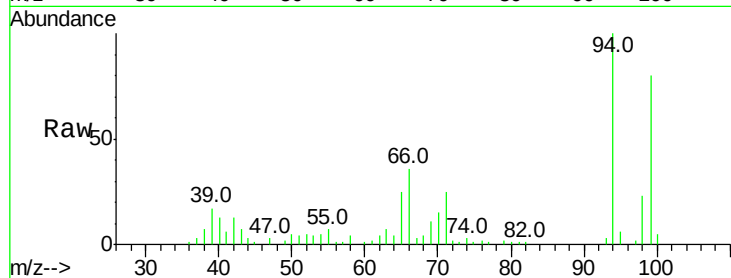
Tot Ion: 94 Resp: 25202

Ion Ratio Lower Upper

94 100

65 24.5 7.9 47.9

66 36.2 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 16.080 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104796.D

Acq: 25 Apr 2018 18:33

Tgt Ion: 70 Resp: 91289

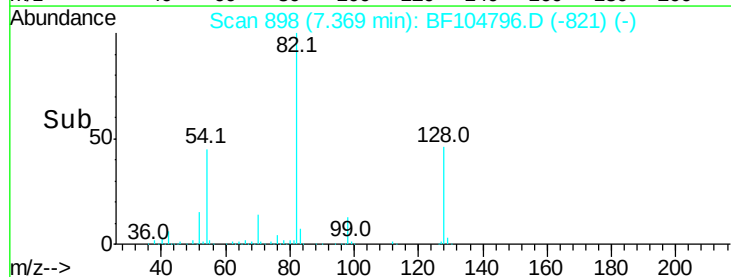
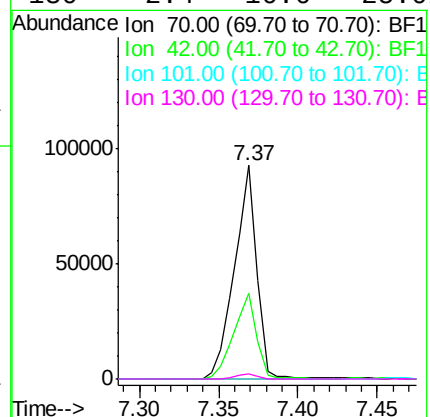
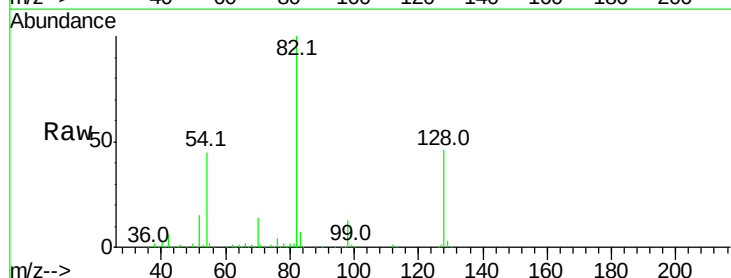
Ion Ratio Lower Upper

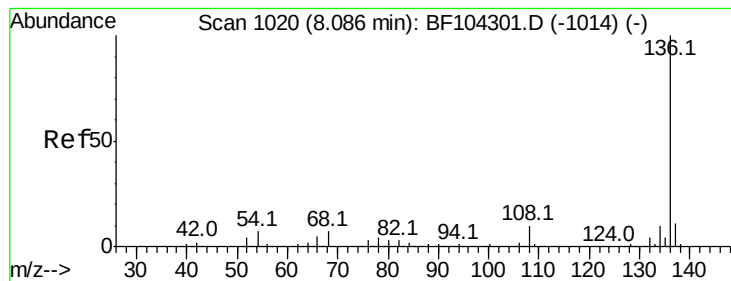
70 100

42 40.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104796.D

Acq: 25 Apr 2018 18:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 442475

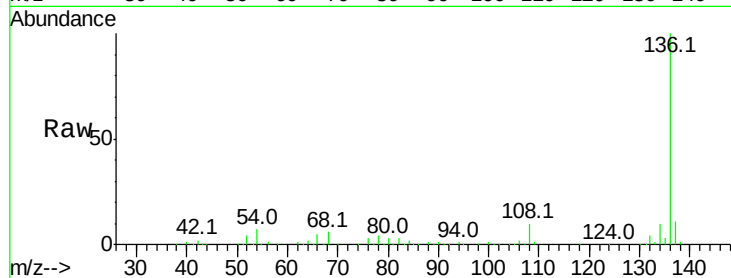
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.9 6.6 9.8

68 5.7 5.0 7.4

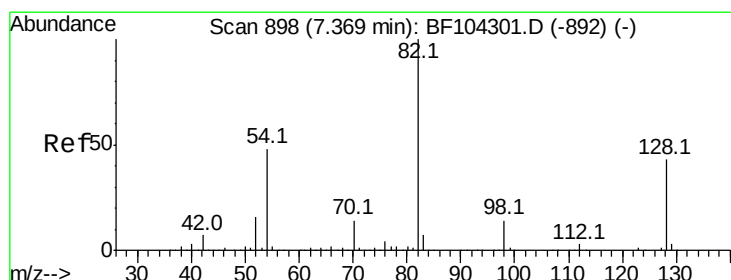
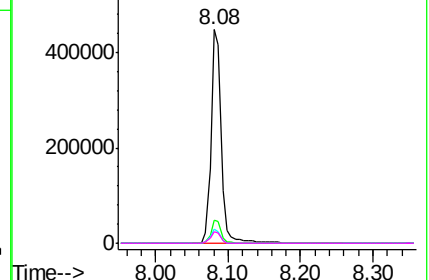
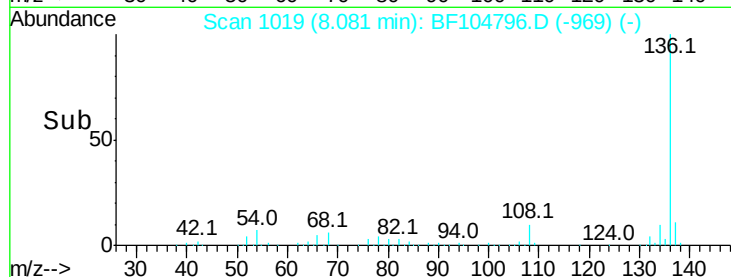


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 101.237 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104796.D

Acq: 25 Apr 2018 18:33

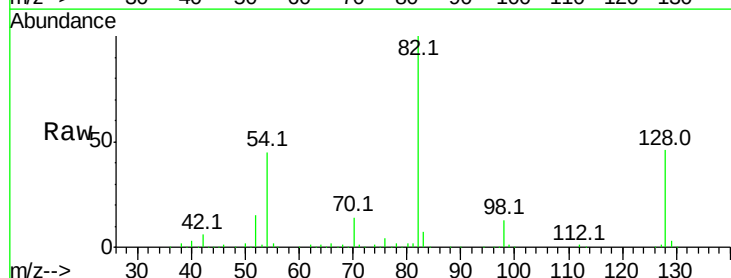
Tgt Ion: 82 Resp: 686004

Ion Ratio Lower Upper

82 100

128 46.2 36.1 54.1

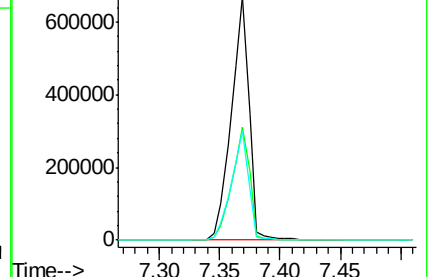
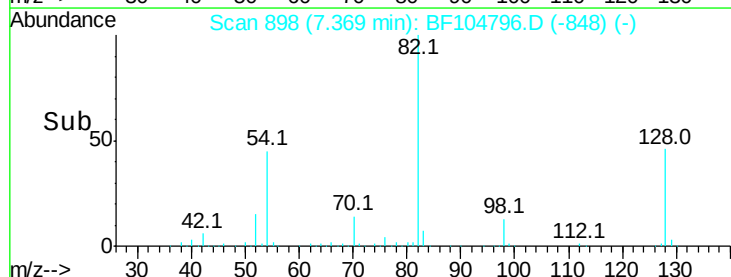
54 44.9 41.4 62.2

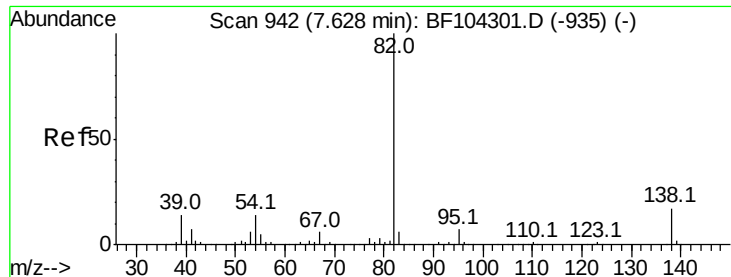


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.874 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104796.D

Acq: 25 Apr 2018 18:33

Instrument :

BNA_F

ClientSampleId :

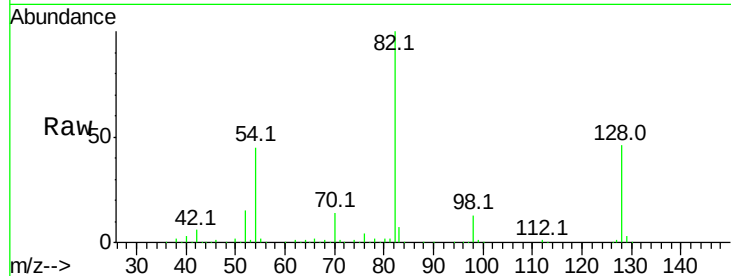
Tot Ion: 82 Resp: 685995

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

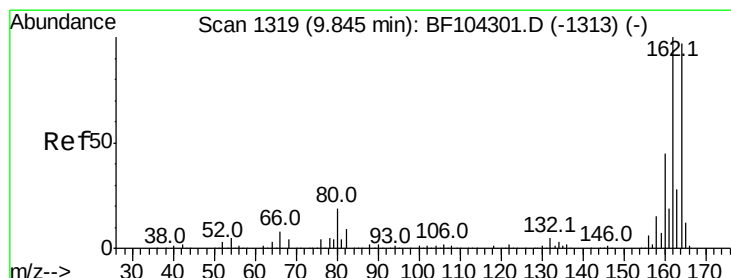
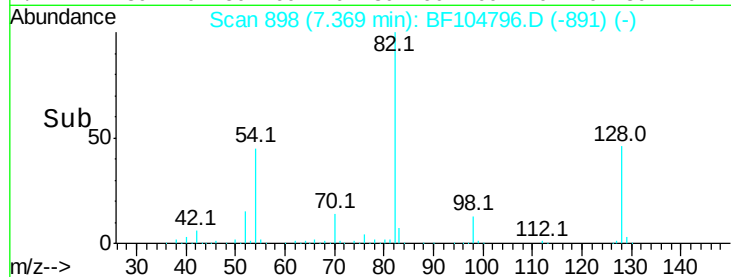
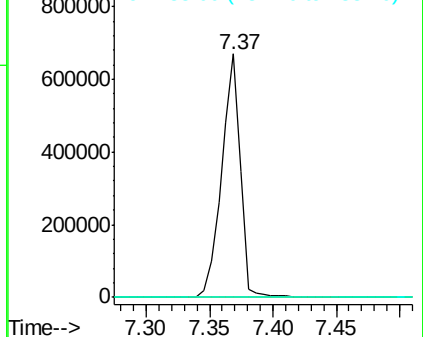
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104796.D

Acq: 25 Apr 2018 18:33

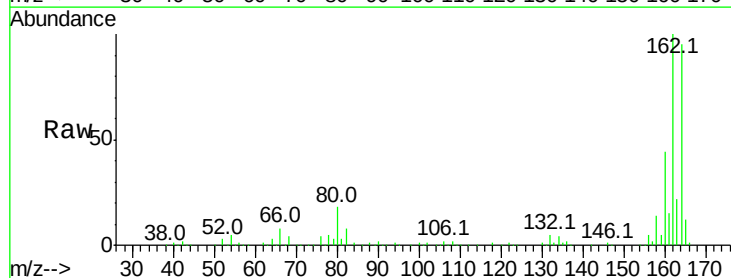
Tgt Ion:164 Resp: 192421

Ion Ratio Lower Upper

164 100

162 105.3 86.1 129.1

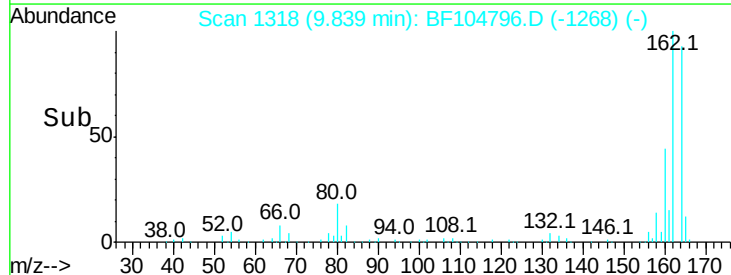
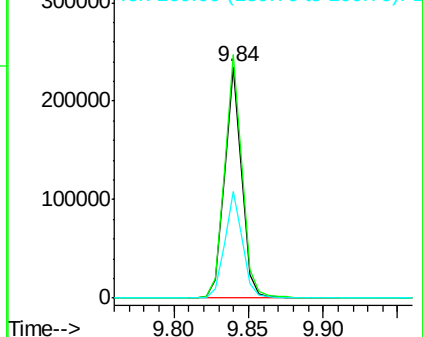
160 46.1 38.3 57.5

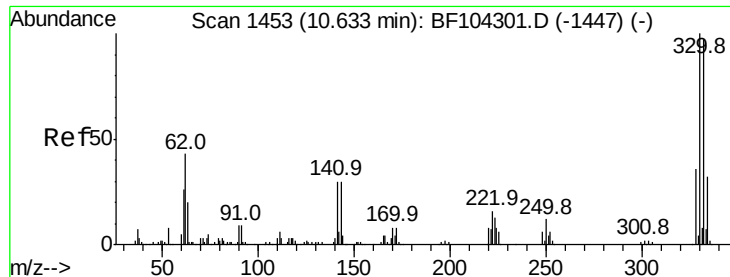


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

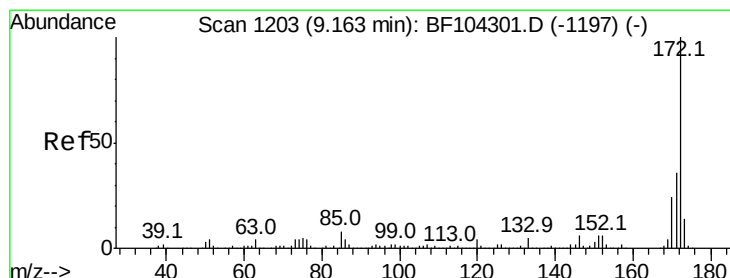
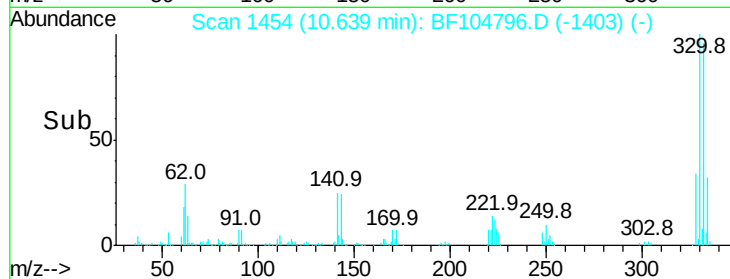
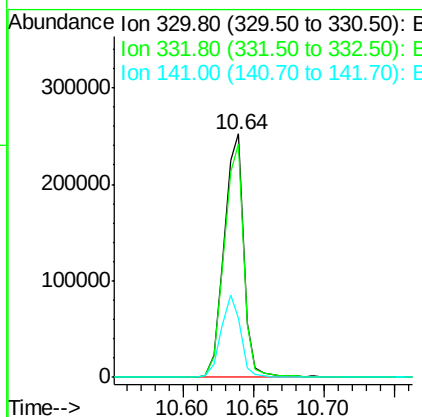
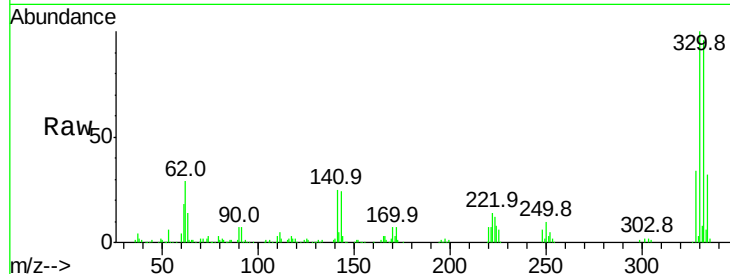




#41
 2,4,6-Tribromophenol
 Concen: 122.798 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104796.D
 Acq: 25 Apr 2018 18:33

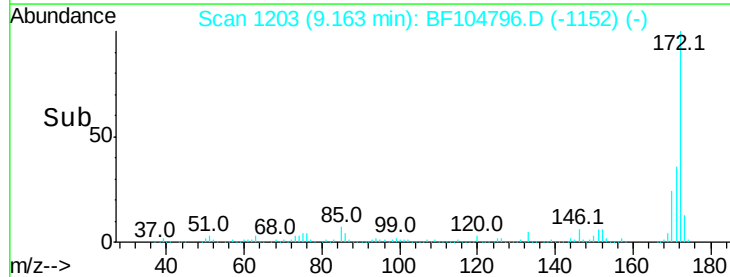
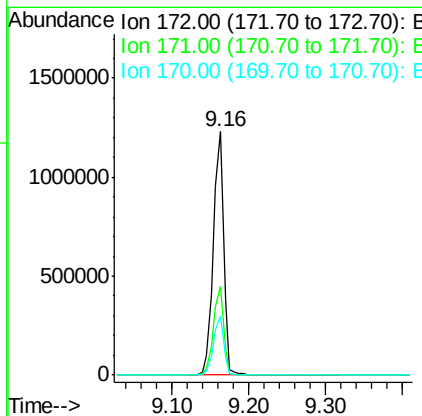
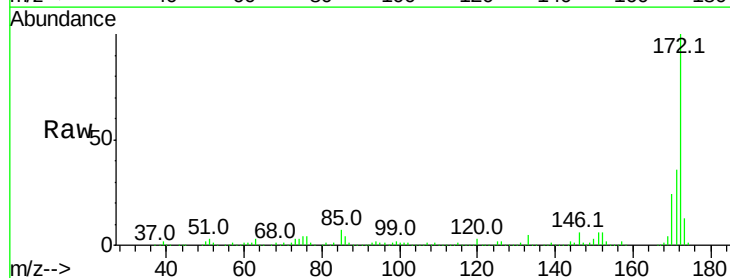
Instrument :
 BNA_F
 ClientSampleId :

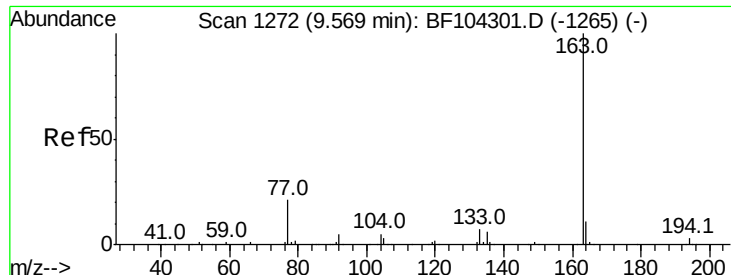
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	33.2	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 92.248 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF104796.D
 Acq: 25 Apr 2018 18:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.1	19.6	29.4

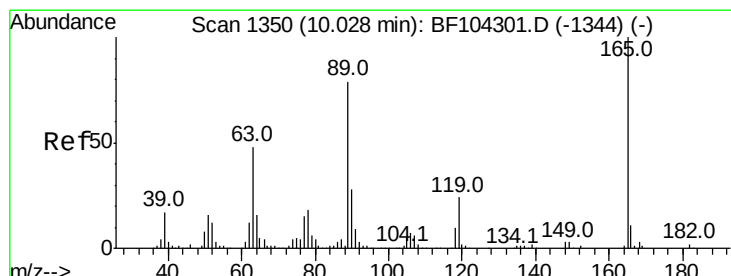
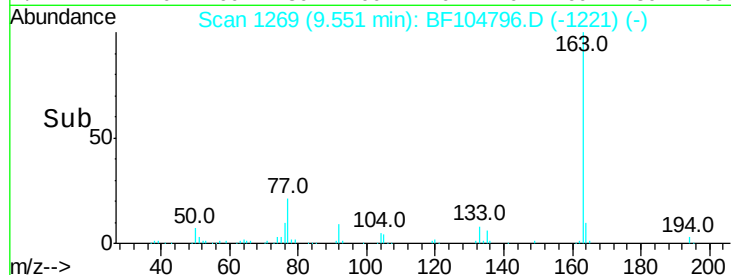
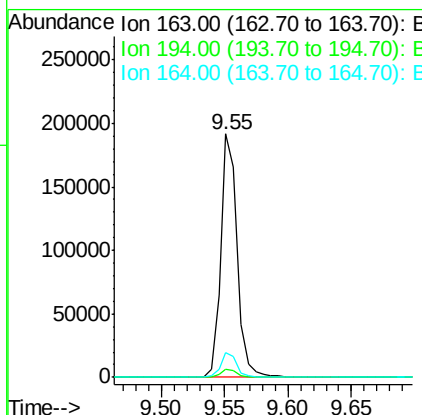
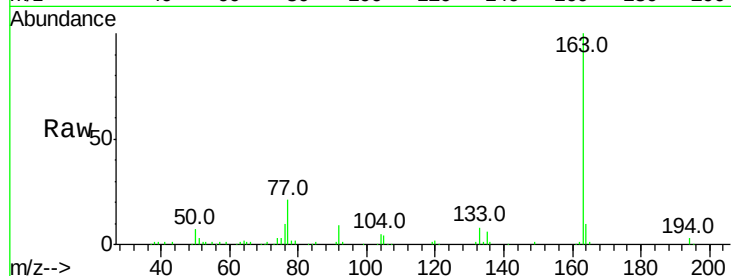




#49
 Dimethylphthalate
 Concen: 11.498 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: BF104796.D
 Acq: 25 Apr 2018 18:33

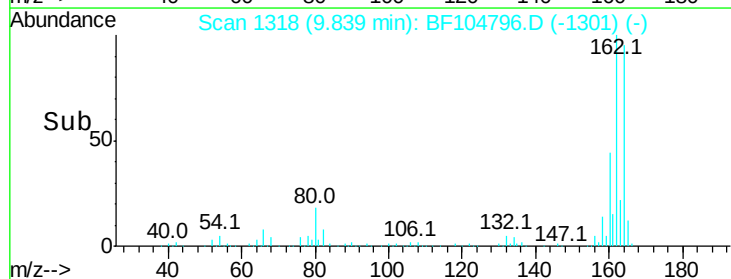
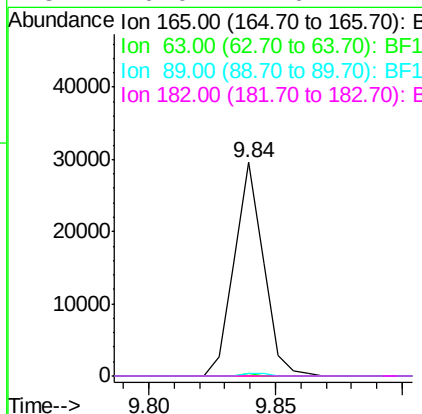
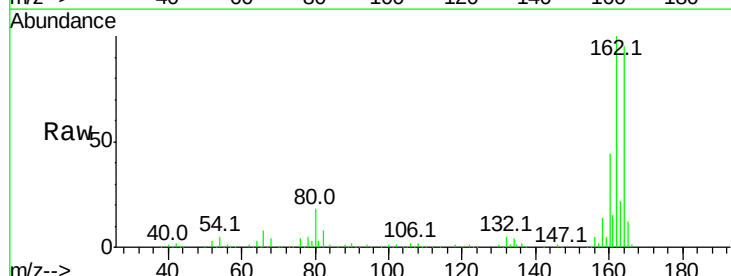
Instrument :
 BNA_F
 ClientSampled :

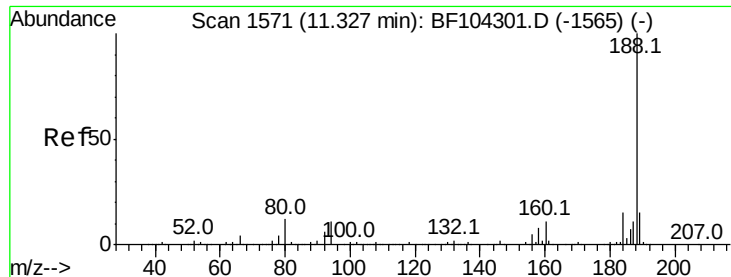
Tot Ion:163 Resp: 174468
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.7 4.1
 164 10.4 8.2 12.2



#56
 2,4-Dinitrotoluene
 Concen: 6.438 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104796.D
 Acq: 25 Apr 2018 18:33

Tgt Ion:165 Resp: 23711
 Ion Ratio Lower Upper
 165 100
 63 1.2 36.4 54.6#
 89 1.3 57.8 86.6#
 182 0.0 1.6 2.4#

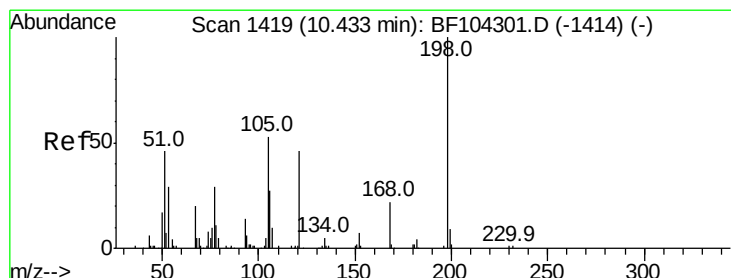
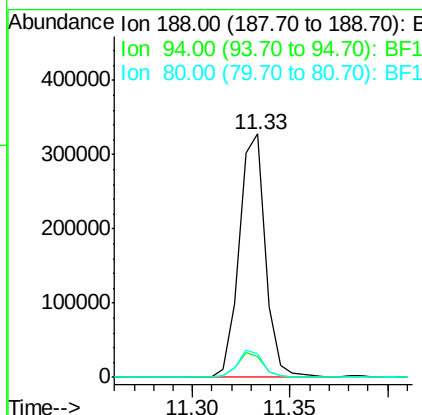
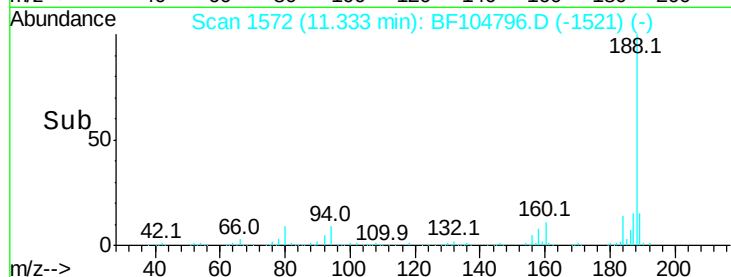
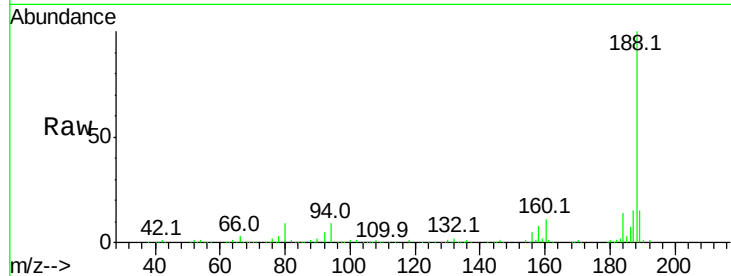




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104796.D
 Acq: 25 Apr 2018 18:33

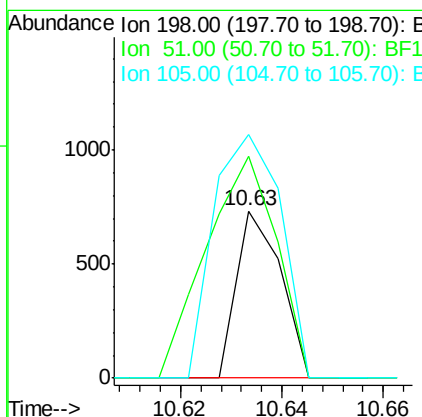
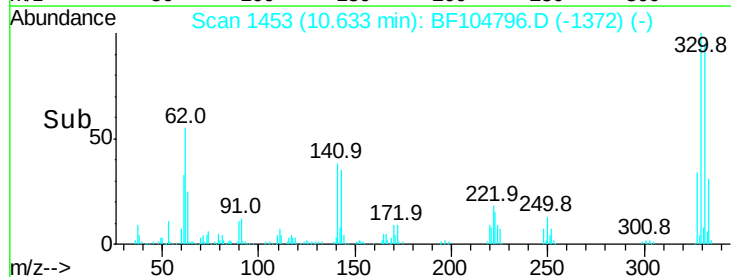
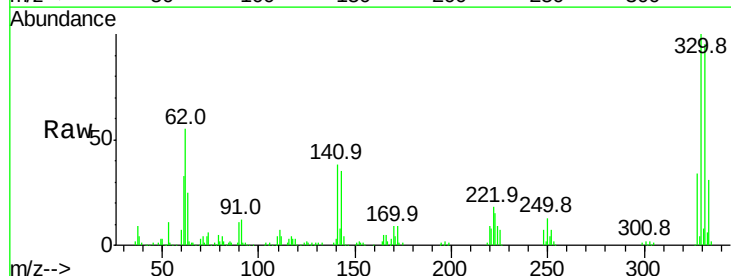
Instrument :
 BNA_F
 ClientSampleId :

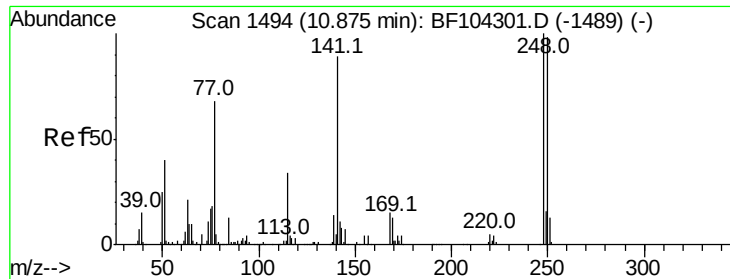
Tot Ion:188 Resp: 306452
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.5 12.7
 80 9.4 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.598 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104796.D
 Acq: 25 Apr 2018 18:33

Tgt Ion:198 Resp: 443
 Ion Ratio Lower Upper
 198 100
 51 132.8 37.7 77.7#
 105 145.8 36.3 76.3#

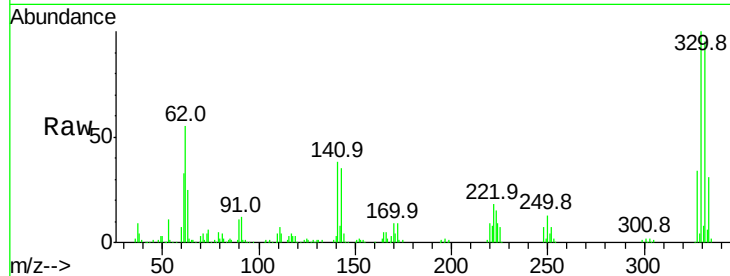




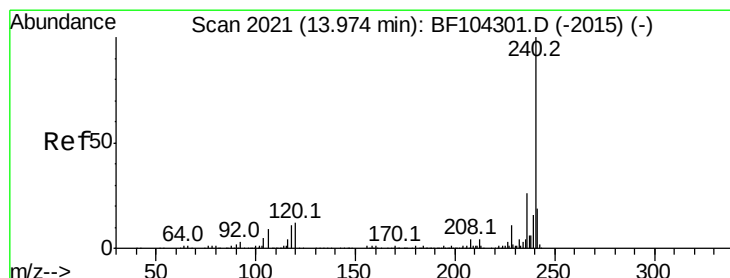
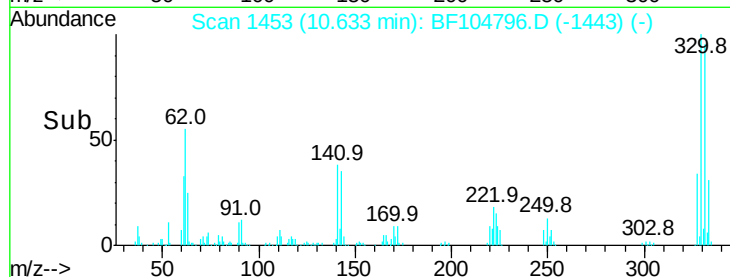
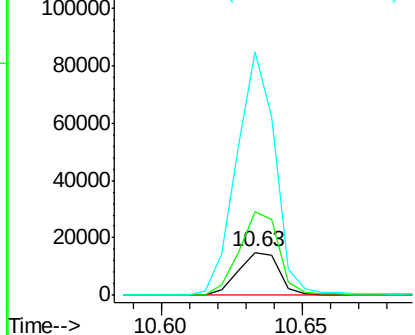
#66
4-Bromophenyl-phenylether
Concen: 4.597 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104796.D
Acq: 25 Apr 2018 18:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 14984
Ion Ratio Lower Upper
248 100
250 195.3 76.9 115.3#
141 569.2 74.4 111.6#

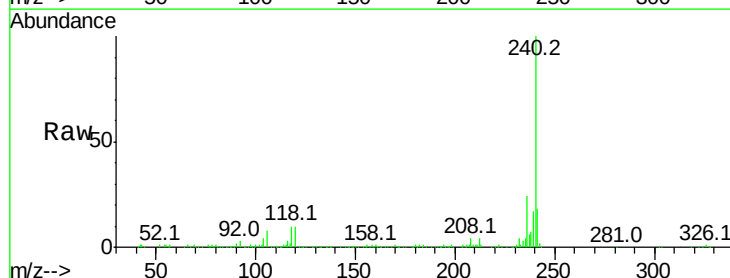


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

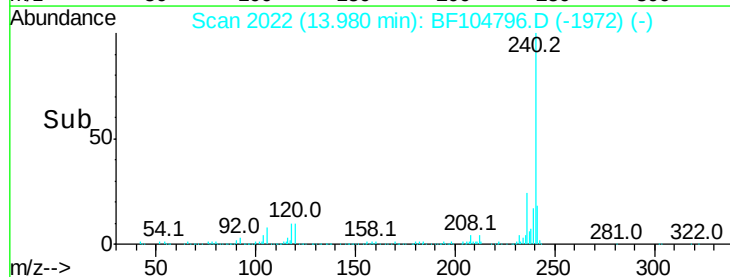
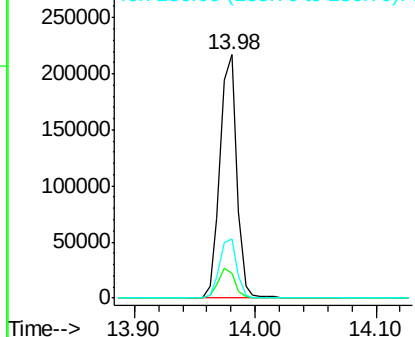


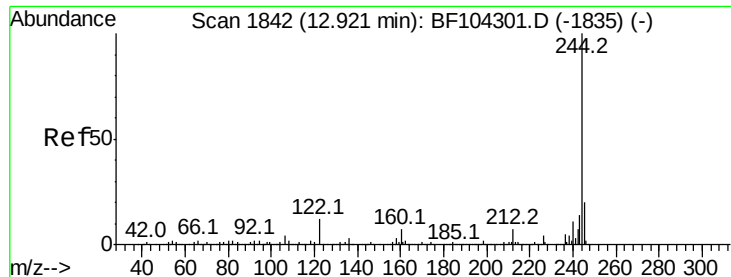
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104796.D
Acq: 25 Apr 2018 18:33

Tgt Ion:240 Resp: 208580
Ion Ratio Lower Upper
240 100
120 10.0 9.5 14.3
236 24.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 90.111 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104796.D

Acq: 25 Apr 2018 18:33

Instrument :

BNA_F

ClientSampleId :

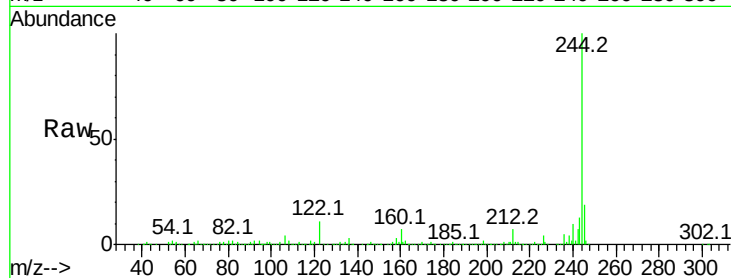
Tot Ion:244 Resp: 824416

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

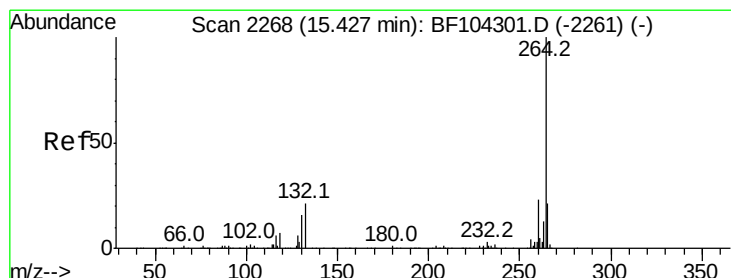
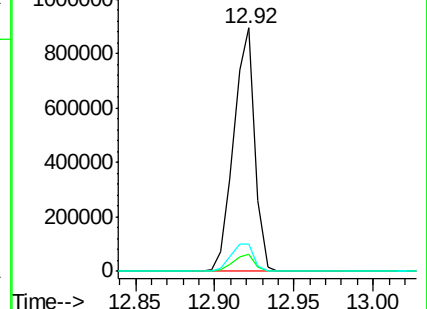
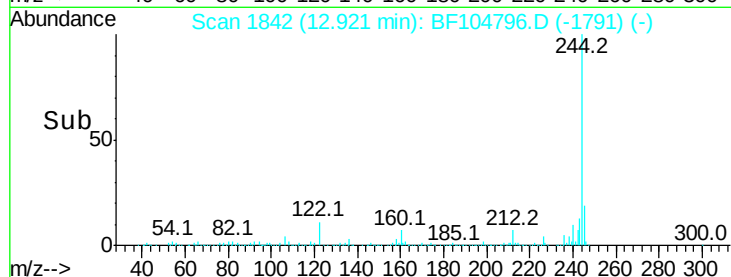
122 11.2 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.02 min

Lab File: BF104796.D

Acq: 25 Apr 2018 18:33

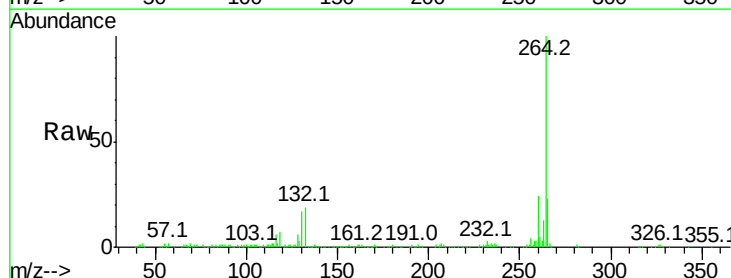
Tgt Ion:264 Resp: 171714

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 22.6 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

